ABSTRACT OF THE DISCLOSURE

A finger-mounted data entry device that allows a user to enter information into a computing device without using a keyboard and a method of using the data entry device. The data entry device includes thumb contacts and finger contacts. The thumb contacts are positioned on the user's thumbs such that the thumb contacts represent rows of keys on a standard keyboard: a first thumb contact representing a base row of keys; a second thumb contact representing an upper row of keys; and a third thumb contact representing a lower row of keys. The finger contacts are positioned on each of the user's fingers such that touching one of the finger contacts with the first thumb contact generates a signal that is equivalent to the signal that would be generated if the user used touch typing to press a key in the base row of keys on the standard keyboard using the same finger, touching one of the finger contacts with the second thumb contact generates a signal that is equivalent to the signal that would be generated if the user used touch typing to press a key in the upper row of keys on the standard keyboard using the same finger, and touching one of the finger contacts with the third thumb contact generates a signal that is equivalent to the signal that would be generated if the user used touch typing to press a key in the lower row of keys on the standard keyboard using the same finger.